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United States Cotton Quality Report For Ginnings 1978 Crop

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The high white grades 31 and above comprised a smaller proportion of the 1978 upland crop than a year earlier, according to the Cotton Division, Agricultural Marketing Service, USDA. These grades accounted for about 13 percent of ginnings this season against 22 percent in 1977. Average staple length of the 1978 crop was 33.7 thirty-seconds inches compared with 33.6 a year earlier. Average mike of this season's crop was 42, down from 44 a year ago. Average fiber strength was 87,900 pounds per square inch compared with 87,600 in 1977. The supply of upland cotton this season totaled 15.6 million bales, down from 16.7 million a year earlier.

Staples. Staples 34 and 35 comprised almost 54 percent of upland ginnings this season, the largest percentage in these lengths since the crop of 1975. Last season, staples 34 and 35 made up about 50 percent of ginnings and two years ago a little over 53 percent. Cotton with staple of 36 or longer made up less than 10 percent of ginnings this season, the smallest proportion since 1973. Cotton stapling 31 or shorter made up a little over 13 percent of ginnings compared with 17 percent a year earlier and about 16 percent two years ago. Staples 32 and 33 comprised over 23 percent of upland ginnings this season, the largest proportion since the crop of 1965. This compares with 22 percent last season and 19 percent in 1976. The average staple length of the 1977 crop was 33.7 thirty-seconds inches compared with 33.6 a year earlier and the same as the 1976 crop.

Grades. White grades 31 and higher comprised about 13 percent of upland ginnings from the 1978 crop. This compares with 22 percent in 1977 and 14 percent in 1976. Grade 41 accounted for almost 53 percent of ginnings, the smallest proportion since the crop of 1972. This compares with 58 percent a year earlier and about 55 percent two years ago. All white grades made up over 69 percent this season against 71 percent a year earlier and 67 percent two years ago. Light Spotted grades comprised almost 28 percent of this season's ginnings, the largest proportion since 1971. A year ago the Light Spotted grades made up 26 percent and two years ago made up 22 percent. Spotted grades made up a little over two percent this season, about the same as the previous season but down from almost nine percent two years ago. Below Grade, Tinged and other colored grades made up about one percent of 1978 ginnings compared with less than one percent last season and two percent two years ago.

Upland supply. This season's supply of upland cotton (August 1, 1978 carryover plus 1978-crop ginnings) totaled 15,574,000 running bales, down from 16,691,000 a year earlier. The predominant staple length in the supply was staple 35, accounting for 4,401,000 bales (28 percent) in 1978 and 5,293,000 bales (32 percent) in 1977. Predominant grade was grade 41 at 4,959,000 bales (32 percent) in 1978 and 4,672,000 bales (28 percent) in 1977. The staple distribution showed 2,051,000 bales were staples 31 and shorter, 3,844,000 were staples 32 and 33, 8,305,000 were staples 34 and 35, and 1,374,000 bales were staple 36 or longer in 1978. This compares with 2,675,000, 3,641,000, 8,581,000 and 1,794,000 bales, respectively, in the 1977 upland supply. Grade distribution showed 10,665,000 bales in the white grades this season compared with 11,708,000 a year earlier.

Table 1. Upland cotton in the United States, ginnings and supply,  
by staple groupings, 1974-1978

Season beginning August 1	Staple								All staple lengths	
	Shorter than 32		32 and 33		34 and 35		36 and longer			
	Quantity	Percent of total	Quantity	Percent of total	Quantity	Percent of total	Quantity	Percent of total		
Ginnings										
1974	1,190	11	1,126	10	7,510	66	1,414	13	11,240	
1975	1,674	21	905	11	4,496	55	1,023	13	8,098	
1976	1,637	16	1,950	19	5,478	53	1,219	12	10,284	
1977	2,370	17	3,058	22	6,960	50	1,521	11	13,909	
1978 1/	1,373	13	2,441	23	5,641	54	1,004	10	10,459	
Supply										
1974	2,125	14	1,959	13	9,142	62	1,701	11	14,927	
1975	2,317	17	1,694	13	7,829	58	1,671	12	13,511	
1976	2,140	16	2,520	18	7,547	54	1,590	12	13,797	
1977	2,675	16	3,641	22	8,581	51	1,794	11	16,691	
1978 1/	2,052	13	3,844	25	8,305	53	1,373	9	15,574	

1/ Preliminary.

Table 2. Upland cotton in the United States, ginnings and supply, by grade 1/

Grade Code	After January 31						Total crop						Supply						Change in Supply 1978 from 1977	
	1977		1978		1977		1978		1977		1978		1977		1978		1977		1978	
Bales	Bales	Pct.	Pct.	Bales	Bales	Pct.	Pct.	Bales	Bales	Pct.	Pct.	Bales	Bales	Pct.	Pct.	Bales	Bales	Pct.	Pct.	
<u>White</u>																				
11	-	14	-	*	634	*	*	*	1	**	*	*	*	*	*	-1	-1	-100.0	-100.0	
21	3,516	811	2.3	0.2	136,495	32,840	1.0	0.3	164	105	1.0	0.7	59	59	-59	-59	-36.0	-36.0		
30	395	38	0.3	*	66,349	7,971	0.5	0.1	78	31	0.5	0.2	-47	-47	-47	-47	-60.3	-60.3		
31	18,442	12,411	11.9	2.5	2,876,722	1,314,267	20.7	12.6	3,180	1,961	19.1	12.6	-1,219	-1,219	-1,219	-1,219	-38.3	-38.3		
40	6,872	3,247	4.4	0.7	962,396	565,619	6.9	5.4	1,246	932	7.5	6.0	-314	-314	-314	-314	-25.2	-25.2		
41	21,033	54,014	13.6	11.1	4,007,282	3,597,675	28.9	34.4	4,672	4,959	27.9	32.0	+287	+287	+287	+287	+6.1	+6.1		
50	1,828	2,879	1.2	0.6	303,212	281,502	2.2	2.7	503	610	5.0	3.9	+107	+107	+107	+107	+21.3	+21.3		
51	17,578	59,896	11.3	12.3	1,308,172	1,212,819	9.4	11.6	1,583	1,703	9.5	10.9	+120	+120	+120	+120	+7.6	+7.6		
60	123	198	0.1	*	16,239	23,624	0.1	0.2	24	35	0.1	0.2	+11	+11	+11	+11	+45.8	+45.8		
61	9,064	18,314	5.9	3.8	159,259	181,928	1.1	1.7	221	282	1.3	1.8	+61	+61	+61	+61	+27.6	+27.6		
70	36	-	*	-	377	515	*	*	1	1	*	*	0	0	0	0	-	-		
71	4,218	7,168	2.7	1.5	24,314	28,866	0.2	0.3	35	46	0.2	0.3	+11	+11	+11	+11	+31.4	+31.4		
<u>Light Spotted</u>																				
12	-	-	*	22,354	3,223	0.2	*	-	-	25	23	0.1	0.1	-2	-2	-2	-2	-8.0	-8.0	
22	294	138	0.2	*	1,390,456	518,580	10.0	5.0	1,551	1,100	9.3	7.1	-451	-451	-451	-451	-29.1	-29.1		
32	14,704	23,443	9.5	4.8	1,739,631	1,731,583	12.5	16.6	2,033	2,384	12.2	15.3	+351	+351	+351	+351	+17.3	+17.3		
42	17,459	132,155	11.3	27.0	495,268	636,513	3.6	6.1	614	834	3.7	5.4	+220	+220	+220	+220	+35.8	+35.8		
52	9,408	79,368	6.1	16.3																
<u>Spotted</u>																				
13	2	-	*	-	16	-	*	-	**	-	*	-	0	0	-	-	-	-	-	-
23	95	36	0.1	*	1,573	447	*	*	6	5	*	*	-1	-1	-1	-1	-16.7	-16.7		
33	3,266	7,206	2.1	1.5	44,952	32,802	0.3	0.3	127	67	0.8	0.4	-60	-60	-60	-60	-47.2	-47.2		
43	5,112	24,213	3.3	5.0	158,946	113,860	1.1	1.1	297	194	1.8	1.2	-103	-103	-103	-103	-34.7	-34.7		
53	4,438	19,279	2.9	4.0	105,778	77,452	0.8	0.7	161	132	1.0	0.8	-29	-29	-29	-29	-18.0	-18.0		
<u>Tinged 2/4</u>																				
1,414	5,339	0.8	1.1	11,582	11,229	*	0.1	58	30	0.3	0.2	-28	-28	-28	-28	-48.3	-48.3			
<u>Stained 2/5</u>																				
25-35	13	-	*	-	42	74	*	*	1	3	*	*	+2	+2	+2	+2	+200.0	+200.0		
<u>Light Gray</u>																				
16	-	-	*	-	1,758	1,179	*	*	-	-	-	-	-	-	-	-	-	-	-	-
26	-	113	-	*	12,504	11,621	0.1	0.1	15	18	0.1	0.1	+3	+3	+3	+3	+20.0	+20.0		
36	1,438	2,470	0.9	0.5	4,919	6,115	*	0.1	11	9	0.1	0.1	-2	-2	-2	-2	-18.2	-18.2		
46	818	2,443	0.5	0.5																
<u>Gray</u>																				
17	-	-	*	-	34	40	*	*	**	2	*	*	0	0	0	0	-	-	-	-
27	10	-	*	433	378	*	*	1	1	1	1	*	*	*	*	0	0	-	-	
37	71	84	*	829	1,150	*	*	1	2	*	*	*	*	*	*	+1	+1	+100.0	+100.0	
47	281	650	0.2	0.1																
<u>Below Grade 3/</u>																				
12,972	31,805	8.4	6.5	56,595	65,215	0.4	0.6	80	105	0.5	0.7	+25	+25	+25	+25	+31.3	+31.3			
All grades	154,890	487,742	100.0	100.0	13,909,121	10,459,139	100.0	100.0	16,691	15,574	100.0	100.0	-1,117	-1,117	-1,117	-1,117	-6.7	-6.7		

1/ Data for current season are preliminary.

**Includes all grades**

includes all grants, in excess of the amount of official standards from the corresponding college.

Table 3. Upland cotton in the United States, ginnings and supply, by staple 1/

Staple	1977		After January 31		Total crop		1977		1978		Supply 1977		1978 from 1977	
	Bales	Bales	Bales	Pct.	Bales	Pct.	Bales	Pct.	Bales	Pct.	Bales	Pct.	bales	Pct.
26 and shorter	5	10	*	*	437	1,002	*	*	1,000	1,000	*	*	1,000	+100.0
28	94	287	0.1	0.1	7,213	8,447	0.1	0.1	9	12	0.1	0.1	-	+33.3
29	477	2,415	0.3	0.3	61,616	79,601	0.4	0.8	80	108	0.5	0.7	-	+35.0
30	3,588	16,890	2.3	3.5	655,950	416,368	4.7	4.0	779	621	4.7	4.0	-	-20.3
31	10,579	73,862	6.8	15.1	1,645,012	867,518	11.8	8.3	1,807	1,309	10.8	8.4	-	-498
32	21,477	170,515	13.9	35.0	1,716,010	1,326,773	12.3	12.7	1,971	1,931	11.8	12.4	-	-40
33	37,911	98,741	24.5	20.2	1,342,390	1,114,658	9.7	10.7	1,670	1,913	10.0	12.3	-	+243
34	42,006	67,767	27.0	13.9	2,402,022	2,531,388	17.3	24.2	3,288	3,904	19.7	25.1	-	+14.6
35	29,357	49,498	19.0	10.1	4,557,679	3,108,963	32.8	29.6	5,293	4,401	31.6	28.2	-	+616
36	9,224	7,320	6.0	1.5	1,450,006	946,615	10.4	9.1	1,673	1,264	10.0	8.1	-	+18.7
37	56	352	*	0.1	64,738	55,702	0.5	0.5	99	95	0.6	0.6	-	-
38	93	43	0.1	*	1,786	1,711	*	*	10	10	0.1	0.1	-	-4.0
39	7	14	*	*	1,652	227	*	*	2	1	*	*	-	-
40 and longer	16	28	*	*	2,610	166	*	*	10	4	0.1	*	-	-50.0
All staples	154,890	487,742	100.0	100.0	13,909,121	10,459,139	100.0	100.0	16,691	15,574	100.0	100.0	-	-60.0
													-	-6.7

1/ Data for current season are preliminary.

\* Less than 0.05 percent.

\*\* Less than 500 bales.

Table 4. Specified measures of quality for upland ginnings 1/

Item	After January 31		Total crop		1977		1978		Supply 1978	
	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978
Average staple, 32nd. inch	33.5	32.6	33.6	33.7	33.7	33.7	33.7	33.7	33.6	33.6
Rough preparation, percent	0.7	*	0.1	0.1	0.1	0.1	-	-	-	-
Tenderable, percent 2/	44.0	21.1	63.7	54.5	-	-	-	-	-	-
Average mike reading	42	38	44	4.2	-	-	-	-	-	-
Average fiber strength (Mpsi)	84.8	85.0	87.6	87.9	-	-	-	-	-	-

1/ Data for current season are preliminary.

2/ Tenderable for grade, staple and mike in settlement of futures contracts.

\* Less than 0.05 percent.

Table 5. Percentage distribution of micronaire readings for upland ginnings this season and last season, by states 1/

State	26 and below	27-29	30-32	33-34	35-39	40-44	45-49	50-52	53 and above	Totals			Average mike milk
	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	
NC	-	0.2	*	1.2	0.1	2.3	0.2	2.3	0.5	31.5	1.3	31.5	Pct.
SC	-	*	0.2	0.3	1.4	0.9	2.0	1.3	9.9	12.8	16.4	56.5	Pct.
GA	*	*	0.2	*	1.3	0.3	1.2	0.7	8.9	11.0	23.9	39.2	Pct.
AL	*	*	0.2	*	0.8	0.4	0.6	0.6	2.9	8.7	14.7	33.2	Pct.
MS	*	*	0.1	*	0.5	0.4	0.5	0.5	3.8	4.0	23.2	23.9	Pct.
TN	*	*	*	*	*	0.5	0.2	0.7	4.7	8.1	20.8	29.0	Pct.
MO	-	-	-	*	*	0.4	0.3	0.6	5.2	7.8	21.0	29.8	Pct.
AR	*	*	*	0.1	0.3	0.4	0.3	0.5	3.1	3.8	18.5	16.2	Pct.
LA	*	*	0.3	*	1.2	0.4	1.3	0.4	4.8	1.9	12.9	7.6	Pct.
OK	*	*	0.1	0.8	0.9	3.4	3.4	4.0	4.0	18.8	22.3	33.0	Pct.
TX	*	0.4	0.6	2.7	2.6	9.1	3.5	9.2	20.5	34.1	36.6	28.3	Pct.
NM	*	1.2	0.7	7.4	3.4	16.4	4.6	14.6	32.7	43.4	49.4	16.6	Pct.
AZ	0.3	0.1	1.3	0.9	2.2	2.3	1.5	2.0	6.0	8.9	19.2	24.1	Pct.
CA	0.1	0.4	1.0	1.5	2.2	3.6	1.9	4.0	16.3	22.7	51.2	44.1	Pct.
Other	-	1.4	1.8	5.6	7.0	7.1	6.5	36.4	24.0	32.9	48.1	8.0	Pct.
US	0.1	0.2	0.6	1.4	1.9	4.6	2.2	4.7	13.8	20.0	32.8	29.5	Pct.

1/ Data for current season are preliminary.  
 \* Less than 0.05 percent.

Table 6. Percentage distribution of fiber strength for upland cotton ginned this season and last season, by states <sup>1/</sup>

State	Zero Gage Fiber Strength (Mpsi)												Average strength
	64 & below	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100 & above	Pct.	Pct.	Pct.	
NC	-	-	-	-	-	-	-	-	-	-	-	-	-
SC	-	0.2	-	0.5	*	7.6	5.0	27.8	31.8	39.4	49.5	20.6	13.5
GA	*	-	*	-	2.1	-	14.7	4.0	36.7	19.3	31.7	42.4	12.3
AL	-	-	0.2	-	3.1	0.1	17.1	4.5	37.9	32.0	30.4	39.9	9.5
MS	-	-	*	-	0.7	*	6.9	2.2	35.9	23.6	38.5	46.1	14.9
TN	-	-	*	-	0.2	*	7.7	3.1	31.9	33.5	40.5	47.9	17.2
MO	-	-	-	-	1.6	0.2	15.0	4.4	44.9	27.5	28.9	40.7	8.7
AR	-	-	*	-	0.3	0.1	7.3	6.8	32.6	32.7	41.7	38.6	15.7
LA	-	-	*	*	2.0	0.1	18.1	4.1	42.5	17.5	29.7	36.4	7.0
OK	*	-	0.3	-	3.7	0.4	27.3	6.2	37.2	31.2	24.1	38.5	6.5
TX	-	-	0.1	*	1.0	0.9	7.6	7.9	27.2	29.2	34.0	34.2	21.2
NM	-	-	*	*	0.3	0.4	1.5	6.9	7.8	22.6	22.8	27.6	32.7
AZ	-	-	*	*	0.3	0.4	6.2	5.7	28.3	27.7	41.8	43.0	19.2
CA	-	-	*	-	0.1	*	0.5	0.3	3.8	3.5	14.9	22.1	29.6
US	*	-	*	*	0.9	0.3	7.4	5.0	25.5	23.4	31.2	35.4	20.1

<sup>1/</sup> Data for current season are preliminary.

\* Less than 0.05 percent.

Table 7. Percentage distribution of the grade of upland cotton ginned  
this season and last season, by states <sup>1/</sup>

State	White												Light Spotted												Other colored		Below Grade	
	.21 and higher	30	31	40	41	50	51	60 and lower	60 and higher	32	42	52	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978		
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.		
NC	-	-	-	0.6	1.7	0.5	5.0	26.5	44.5	6.5	19.4	32.0	19.5	6.1	5.1	-	-	0.2	0.1	14.7	2.3	8.3	1.9	3.9	0.4	0.7	0.1	
SC	0.1	0.6	-	3.2	3.7	0.8	7.3	32.2	51.9	3.9	14.4	21.2	12.1	3.0	1.6	*	*	2.1	1.1	18.3	4.8	9.1	1.8	5.6	0.6	0.5	0.1	
GA	*	0.4	-	0.1	1.4	14.4	0.6	16.5	19.5	42.0	1.4	4.1	10.4	6.7	1.8	1.3	*	0.1	4.4	4.1	29.9	7.8	14.3	1.7	14.2	0.6	2.1	0.2
AL	0.1	0.2	-	*	1.7	8.4	0.3	3.3	13.5	46.4	0.4	3.7	3.6	6.5	0.4	0.9	0.2	0.1	5.0	8.1	35.3	17.2	11.9	2.9	26.2	2.1	1.4	0.2
MS	*	0.1	*	*	2.0	4.6	1.5	1.9	33.3	49.9	4.2	3.5	35.7	21.6	5.6	2.3	*	*	0.5	1.1	8.9	11.4	6.1	3.0	1.5	0.4	0.7	0.2
TN	0.1	0.4	*	*	3.9	17.0	1.7	4.7	24.3	46.9	1.7	3.6	12.3	9.5	2.3	1.3	*	*	2.2	4.4	26.2	9.8	17.0	2.0	6.3	0.3	2.0	0.1
MO	*	0.1	-	-	1.0	14.7	0.2	3.9	29.8	50.3	2.5	2.6	15.9	4.8	1.3	0.4	-	*	2.2	6.7	28.4	13.3	10.5	1.9	7.4	1.3	0.8	*
AR	*	0.1	*	*	2.6	8.6	1.7	4.6	38.5	48.4	4.6	4.0	19.4	9.7	1.7	1.2	*	*	1.3	2.4	20.0	16.3	6.9	3.7	3.0	0.8	0.3	0.2
LA	0.2	0.1	*	*	13.2	11.2	1.7	1.9	50.1	46.2	3.2	2.8	10.6	4.7	1.6	0.5	*	*	3.4	6.5	11.8	21.5	2.8	2.8	1.2	1.7	0.2	0.1
OK	0.1	0.5	*	*	4.6	6.2	1.3	2.0	13.5	18.8	0.9	1.6	7.6	7.8	1.2	0.8	0.1	*	13.0	16.0	36.9	33.1	12.5	7.8	7.7	5.3	0.6	0.1
TX	1.0	0.1	0.1	*	24.2	5.0	5.8	1.5	25.5	23.5	1.7	1.4	3.2	13.7	0.4	2.5	0.3	*	20.8	7.1	13.8	28.1	1.5	12.5	1.6	4.2	0.1	0.4
NM	0.8	-	*	-	23.5	2.2	7.3	3.5	33.9	32.3	5.2	11.0	3.0	13.8	0.7	2.4	*	*	12.2	6.9	10.4	16.3	1.6	7.9	0.9	3.2	0.5	0.5
AZ	0.6	1.5	0.6	0.3	19.8	25.9	3.4	6.6	49.1	33.8	1.7	2.0	6.8	7.9	1.9	2.9	0.1	0.1	3.7	5.5	6.9	5.4	2.9	2.1	1.0	2.3	1.5	3.7
CA	2.6	0.4	2.1	0.2	42.4	29.5	19.8	16.5	21.1	34.3	1.1	2.9	2.8	7.2	0.5	2.7	0.1	*	3.4	1.4	2.4	2.4	0.8	1.0	0.8	1.1	0.1	0.4
Other	2.2	0.9	1.1	-	14.9	7.2	1.7	5.8	27.2	45.7	2.5	6.7	17.0	20.2	1.4	4.4	-	-	0.3	0.7	20.1	4.0	9.2	2.9	2.1	0.8	0.3	0.7
US	1.0	0.3	0.5	0.1	20.7	12.6	6.9	5.4	28.9	34.4	2.2	2.7	9.4	11.6	1.4	2.2	0.2	*	10.0	5.0	12.5	16.6	3.6	6.1	2.3	2.4	0.4	0.6

1/ Data for current season are preliminary.

\* Less than 0.05 percent.

Table 8. Percentage distribution of the staple of upland cotton ginned this season and last season, and total ginnings, by states 1/

State	Staple												Total upland ginnings						
	28 and shorter 1977	29 1978	30 1977	31 1978	32 1977	33 1978	34 1977	35 1978	36 1977	37 1978	38 and longer 1977	Average staple 1978	Bales 1977	Bales 1978					
NC	-	-	-	-	*	-	0.5	-	19.8	3.4	66.2	67.5	13.4	29.0	0.1	0.1	-	34.9	35.3
SC	-	-	-	-	*	-	0.2	-	2.0	0.1	11.2	2.2	47.5	13.7	36.1	55.8	2.9	26.3	0.1
GA	-	-	-	*	*	0.2	*	1.9	0.2	23.3	3.7	49.2	38.4	25.2	56.4	0.2	1.3	-	-
AL	-	-	*	-	0.1	*	0.3	0.2	4.9	0.7	41.4	14.6	45.4	62.1	7.8	21.7	0.1	0.7	*
MS	-	-	-	*	-	*	*	0.1	0.1	1.4	2.5	21.8	52.7	68.0	44.0	8.6	0.7	0.1	*
TN	-	-	-	-	-	0.1	0.1	2.0	2.1	37.8	28.4	55.7	61.9	4.4	7.4	*	0.1	*	*
MO	*	-	-	-	-	*	-	0.2	0.1	4.6	2.2	51.1	26.6	42.9	66.1	1.2	5.0	-	*
AR	-	-	-	*	-	*	-	*	0.2	0.8	4.5	24.5	39.3	68.7	53.2	6.0	2.8	*	*
LA	-	-	*	-	*	-	0.1	*	0.9	0.4	10.9	27.7	46.2	68.8	39.6	3.1	2.2	*	0.1
OK	*	*	0.1	0.5	2.1	5.9	12.4	21.7	40.3	39.2	30.7	19.2	10.2	6.9	2.8	3.6	1.3	2.9	0.1
TX	0.1	0.2	1.1	2.1	12.0	10.6	29.7	21.1	27.8	30.6	16.0	19.9	10.7	12.3	2.0	2.6	0.5	0.4	0.1
NM	*	*	0.1	0.1	1.2	0.8	4.0	3.3	6.4	7.1	4.7	5.2	4.3	6.9	8.9	8.2	38.1	29.1	31.5
AZ	*	*	*	*	0.3	0.3	0.5	0.7	1.9	3.0	4.1	5.7	33.3	29.4	57.8	58.7	1.7	1.8	0.2
CA	*	-	*	*	0.1	0.1	0.1	0.1	0.3	0.5	1.3	1.1	8.4	8.5	50.5	48.9	39.2	40.6	0.1
Other	-	-	-	-	-	-	-	-	-	-	-	0.9	6.3	4.0	49.3	37.5	23.1	30.4	21.2
US	0.1	0.1	0.4	0.8	4.7	4.0	11.8	8.3	12.3	12.7	9.7	10.7	17.3	24.2	32.8	29.6	10.4	9.1	0.5

1/ Data for current season are preliminary.  
 \* Less than 0.05 percent.

1/ Data for current season are preliminary.

\* Less than 0.05 percent.

Table 9. Percentage of ginnings reduced in grade, by specified causes, this season and last season, by states 1/

State	Grade reductions							
	Grass		Bark		Other causes		Total reductions	
	1977 Pct.	1978 Pct.	1977 Pct.	1978 Pct.	1977 Pct.	1978 Pct.	1977 Pct.	1978 Pct.
North Carolina	7.5	5.9	*	0.1	*	*	7.5	6.0
South Carolina	11.7	6.5	0.6	1.3	*	-	12.3	7.8
Georgia	7.2	5.8	1.7	0.2	0.1	*	9.0	6.0
Alabama	3.5	4.1	1.9	0.3	*	*	5.4	4.4
Mississippi	6.2	8.1	2.1	0.5	*	*	8.3	8.6
Tennessee	3.7	3.9	1.6	1.7	*	0.1	5.3	5.7
Missouri	0.5	1.3	1.0	*	*	*	1.5	1.3
Arkansas	3.5	5.6	0.8	0.3	*	0.1	4.3	6.0
Louisiana	6.2	5.5	1.7	0.4	*	*	7.9	5.9
Oklahoma	1.4	0.9	15.7	11.7	*	*	17.1	12.6
Texas	3.3	1.4	1.7	15.4	*	*	5.0	16.8
New Mexico	1.4	0.4	2.9	14.1	0.2	*	4.5	14.5
Arizona	1.9	1.5	4.8	6.4	0.2	0.1	6.9	8.0
California	2.9	2.9	0.4	1.4	0.1	0.1	3.4	4.4
Other	4.9	7.4	5.4	2.9	-	-	10.3	10.3
United States	3.5	3.2	2.1	7.0	0.1	*	5.7	10.2

1/ Data for current season are preliminary.

\* Less than 0.05 percent.

Table 10. American Pima cotton ginned in the United States by grade and staple 1/

Grade and Staple	Code	After January 31				Total Crop			
		1977 Bales	1978 Bales	1977 Pct.	1978 Pct.	1977 Bales	1978 Bales	1977 Pct.	1978 Pct.
Grade									
1	(10)	-	-	-	-	-	-	-	-
2	(20)	-	-	-	-	116	224	0.1	0.2
3	(30)	36	20	0.8	0.2	16,901	7,576	15.5	8.4
4	(40)	501	384	11.3	3.9	68,983	39,519	63.5	43.9
5	(50)	1,284	2,102	28.9	21.1	16,168	27,421	14.9	30.5
6	(60)	1,292	3,605	29.1	36.1	3,675	9,142	3.4	10.2
7	(70)	647	1,921	14.6	19.3	1,455	3,336	1.3	3.7
8	(80)	450	1,091	10.1	10.9	988	1,677	0.9	1.9
9	(90)	156	497	3.5	5.0	366	650	0.3	0.7
10	(00)	76	348	1.7	3.5	146	473	0.1	0.5
Total		4,442	9,968	100.0	100.0	108,798	90,018	100.0	100.0
Staple									
40 and shorter		6	-	0.1	-	6	-	*	-
42		492	848	11.1	8.5	1,904	1,338	1.8	1.5
44		2,323	5,555	52.3	55.7	50,954	19,905	46.8	22.1
46		1,614	3,565	36.3	35.8	55,927	68,775	51.4	76.4
48 and longer		7	-	0.2	-	7	-	*	-
Total		4,442	9,968	100.0	100.0	108,798	90,018	100.0	100.0

1/ Data for current season are preliminary.

\* Less than 0.05 percent.

Table 11. Percentage distribution of micronaire readings for American Pima ginned in the United States, this season and last season, by states 1/

Readings	State						United States	
	Texas		New Mexico		Arizona		1977	1978
	1977	1978	1977	1978	1977	1978		
24 and below		<u>Percent</u>		<u>Percent</u>		<u>Percent</u>		<u>Percent</u>
25	-	0.1	-	-	-	-	-	*
26	-	0.1	-	-	-	-	-	0.1
27	-	0.2	-	-	-	-	-	0.1
28	0.2	0.9	0.3	0.1	*	-	0.1	0.3
29	0.1	1.4	0.9	1.0	*	0.1	0.1	0.6
30	0.8	2.3	1.5	1.9	0.2	0.2	0.5	1.1
31								
32	0.8	5.3	2.1	3.6	0.6	0.6	0.7	2.5
33	1.6	6.9	3.3	4.7	1.0	0.9	1.3	3.3
34	2.1	9.0	5.0	7.1	1.4	1.5	1.8	4.6
35	2.8	8.8	5.0	5.7	2.0	1.9	2.4	4.6
36	4.1	12.2	8.1	9.2	3.0	2.6	3.7	6.5
37								
38	6.7	10.8	13.8	10.7	6.3	7.7	6.8	9.0
39	8.7	12.0	11.6	16.6	8.2	9.2	8.5	10.6
40	11.1	8.5	12.2	9.1	10.2	10.1	10.6	9.4
41	12.8	9.3	10.6	13.7	14.9	14.0	14.0	12.2
42	13.6	4.3	7.3	6.7	13.4	12.1	13.2	8.9
43								
44	12.2	3.4	7.5	3.0	13.5	14.0	12.7	9.6
45	9.2	1.5	6.9	2.8	9.5	9.2	9.3	6.0
46	6.6	1.9	1.9	3.2	8.1	8.9	7.2	6.0
47	3.2	0.7	1.3	0.2	4.0	3.6	3.6	2.3
48	1.9	0.4	0.7	0.7	2.6	2.4	2.3	1.6
49								
50 and above	1.1	*	-	-	0.8	0.8	0.9	0.5
Total	0.3	*	-	-	0.2	0.1	0.2	0.1
Average mike	0.1	*	-	-	0.1	0.1	0.1	0.1
	*	-	-	-	-	-	*	-
	*	-	-	-	-	-	*	-
	-	-	-	-	-	-	-	-
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	38	35	36	36	39	38	38	37

1/ Data for current season are preliminary.

\* Less than 0.05 percent.

Table 12. Percentage distribution of upland cotton by specified grades,  
by seasons, 1967-1978 1/

Grade Code	Season											
	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
<u>White:</u>	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
21 & higher	1.2	1.1	0.5	0.5	0.3	0.2	0.5	0.2	0.5	0.2	1.0	0.3
30	*	*	*	*	*	*	*	*	*	*	0.5	0.1
31	18.8	16.4	14.4	14.4	12.7	8.2	18.1	12.2	18.1	13.6	20.7	12.6
40	1.3	1.5	1.7	0.8	1.4	1.5	1.5	3.6	5.1	4.3	6.9	5.4
41	33.7	38.5	38.0	34.0	33.3	32.3	38.9	37.7	30.0	36.4	28.9	34.4
50	1.7	2.0	1.7	1.1	1.2	1.5	1.4	2.1	1.8	2.2	2.2	2.7
51 & lower	7.6	11.8	12.6	17.7	16.0	24.2	15.4	20.3	14.0	10.5	10.8	13.8
<u>Light Spotted:</u>												
22 & higher	0.4	0.2	0.1	*	*	*	*	*	0.1	0.1	0.2	*
32	13.2	9.3	5.1	9.1	4.1	3.7	7.6	2.6	5.4	5.7	10.0	5.0
42	11.4	12.2	13.9	13.6	13.8	13.7	10.4	12.1	13.7	11.7	12.5	16.6
52	3.3	2.9	5.5	4.6	10.1	6.2	3.9	6.1	5.7	4.4	3.6	6.1
<u>Spotted:</u>	5.2	2.9	3.7	3.1	5.4	5.4	1.7	2.3	4.6	8.8	2.2	2.1
<u>Other colored 2/</u>	2.2	1.2	2.8	1.1	1.7	3.1	0.6	0.8	1.0	2.1	0.5	0.9
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

1/ Data for 1978 are preliminary.

2/ Includes Below Grade.

\* Less than 0.05 percent.

Table 13. Percentage distribution of upland cotton by specified staples,  
by seasons, 1967-1978 1/

Staple	Season											
	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
<u>26 &amp; shorter</u>	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
26	*	*	0.1	*	0.1	*	*	*	*	*	*	*
28	0.6	0.1	1.3	0.4	0.6	0.1	0.2	0.1	0.8	0.1	0.1	0.1
29	4.6	1.1	4.2	3.5	3.3	1.2	1.9	0.6	3.6	0.8	0.4	0.8
30	10.6	7.0	6.4	10.4	9.1	6.1	9.6	3.8	7.7	5.5	4.7	4.0
31	7.3	6.9	5.1	5.8	5.1	9.0	12.2	6.1	8.6	9.5	11.8	8.3
32	5.3	7.2	5.6	5.2	3.1	8.7	8.8	5.3	6.4	8.7	12.3	12.7
33	9.7	8.5	10.5	10.1	5.3	10.0	6.7	4.7	4.8	10.3	9.7	10.7
34	28.7	26.0	31.0	37.6	25.0	35.7	29.1	22.6	19.1	24.6	17.3	24.2
35	23.0	26.4	28.9	19.9	32.8	21.7	25.4	44.2	36.4	28.7	32.8	29.6
<u>36 &amp; longer</u>	10.2	16.8	6.9	7.1	15.6	7.5	6.1	12.6	12.6	11.8	10.9	9.6
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

1/ Data for 1978 are preliminary.

\* Less than 0.05 percent.

Table 14. Average staple length, by states, United States,  
5-year averages, 1948-77 and by seasons, 1974-1978 1/

State	5-year averages						1974	1975	1976	1977	1978*
	1948-52	1953-57	1958-62	1963-67	1968-72	1973-77					
N. C.	33.0	32.8	33.3	33.6	34.2	35.0	35.4	34.6	35.3	34.9	35.3
S. C.	32.8	32.9	33.4	33.8	34.5	35.0	35.0	34.6	35.1	35.3	36.1
Ga.	32.6	32.7	33.1	33.2	33.7	34.1	34.0	34.0	34.6	34.0	34.5
Fla.	33.0	32.9	32.8	33.0	33.7	-	34.1	34.0	-	-	-
Ala.	32.8	32.7	33.3	33.2	33.7	33.8	34.2	33.7	33.8	33.6	34.1
Miss.	34.0	33.7	33.8	34.1	34.6	34.5	34.7	34.7	34.1	34.8	34.4
Tenn.	33.1	33.1	33.6	33.8	33.9	33.9	34.4	34.1	33.6	33.6	33.7
Mo.	33.5	33.5	33.8	34.0	34.4	34.5	35.1	34.6	34.3	34.4	34.7
Ark.	33.2	33.3	33.8	34.1	34.5	34.6	34.9	34.7	34.2	34.8	34.5
La.	33.8	33.5	33.6	33.8	34.3	34.5	34.6	34.7	34.1	34.7	34.3
Okla.	29.1	29.5	30.8	30.5	31.5	31.8	31.9	31.9	31.2	32.5	32.2
Tex.	30.0	30.6	31.2	30.8	31.6	31.6	32.1	31.0	31.8	31.9	32.1
N. M.	34.2	34.6	35.2	35.8	35.8	35.3	35.9	35.2	35.3	35.5	35.5
Ariz.	33.2	33.5	33.7	33.6	34.2	34.6	34.7	34.7	34.7	34.5	34.5
Calif.	33.8	34.1	34.1	34.5	35.4	35.3	35.3	35.4	35.3	35.3	35.3
U. S.	32.3	32.5	32.8	32.9	33.6	33.7	34.2	33.6	33.7	33.6	33.7

1/ Averages calculated on numerical equivalents of the staple length designations; for example, 29/32" = 29.

\* Preliminary.

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Table 15. Average staples of carryover, crop and supply of upland cotton, 1955-1978

Year	Average staples			Year	Average staples		
	Carryover	Crop	Supply		Carryover	Crop	Supply
1955	32.2	32.6	32.4	1970	34.0	33.4	33.6
1956	32.2	32.7	32.4	1971	34.2	33.8	33.9
1957	32.0	32.6	32.3	1972	33.4	33.5	33.5
1958	31.7	32.8	32.3	1973	33.2	33.3	33.3
1959	31.9	32.8	32.5	1974	33.1	34.2	33.9
1960	33.0	32.9	32.9	1975	33.9	33.6	33.8
1961	33.3	32.9	33.0	1976	33.8	33.7	33.7
1962	33.2	32.8	33.0	1977	33.8	33.6	33.7
1963	32.7	32.7	32.7	1978*	34.0	33.7	33.6
1964	32.3	32.8	32.6				
1965	32.4	32.8	32.6				
1966	32.1	33.0	32.4				
1967	32.1	33.4	32.6				
1968	32.5	33.9	33.4				
1969	33.8	33.5	33.6				

\* Preliminary.



Estimated grade and staple of American Pima cotton ginned in the United States  
1978 crop 1/

Grade	Code	Staple						All staples
		40 and shorter	42	44	46	48	50 and longer	
		Bales	Bales	Bales	Bales	Bales	Bales	Pct.
1 (10)		-	-	-	-	-	-	-
2 (20)		-	-	119	105	-	-	224 0.2
3 (30)		-	89	2,255	5,232	-	-	7,576 8.4
4 (40)		-	89	6,012	33,418	-	-	39,519 43.9
5 (50)		-	43	4,279	23,099	-	-	27,421 30.5
6 (60)		-	11	3,677	5,454	-	-	9,142 10.2
7 (70)		-	78	2,124	1,134	-	-	3,336 3.7
8 (80)		-	474	927	276	-	-	1,677 1.9
9 (90)		-	316	311	23	-	-	650 0.7
10 (00)		-	238	201	34	-	-	473 0.5
All grades		-	1,338	19,905	68,775	-	-	90,018 <u>2/</u> 100.0
Percent		-	1.5	22.1	76.4	-	-	100.0

1/ Preliminary.

Average grade. . . . . 4.6

2/ As reported by the Bureau of the Census.

Average staple . . . . . 45.5

\* Less than 0.05 percent.

Grade Code	Staple										All staples			
	26 and shorter Bales	28 Bales	29 Bales	30 Bales	31 Bales	32 Bales	33 Bales	34 Bales	35 Bales	36 Bales	37 Bales	38 Bales	39 Bales	40 and longer Bales
White:														
11	-	-	-	-	-	-	-	-	-	-	-	-	-	52
21	-	8	137	378	98	366	2,848	10,678	14,323	4,004	-	-	-	32,840 0.3
30	-	-	10	-	59	98	1,743	4,350	1,686	25	-	-	-	7,971 0.1
31	23	247	6,120	32,089	23,534	21,260	78,668	337,057	612,134	2,363	11	-	-	1,314,267 12.6
40	-	32	434	2,957	4,665	7,257	23,151	97,808	258,584	167,038	3,590	93	10	565,619 5.4
41	167	567	7,593	65,960	168,233	275,998	292,367	1,059,840	1,343,172	357,960	24,850	823	94	51 3,597,675 34.4
50	-	11	172	2,046	5,698	12,853	22,808	65,604	111,875	50,055	9,928	422	-	30 281,502 2.7
51	-	92	1,466	17,126	72,021	187,409	189,894	318,771	335,043	85,142	5,674	140	13	28 1,212,819 11.6
60	-	-	20	346	862	2,728	3,085	4,045	7,034	5,321	177	6	-	- 23,624 0.2
61	-	33	404	2,642	8,822	27,093	41,218	48,419	39,849	13,210	211	-	27	- 181,928 1.7
70	-	-	-	-	19	13	139	119	154	71	-	-	-	515 *
71	-	-	56	497	1,512	4,804	7,297	7,314	4,988	2,350	24	10	14	- 28,866 0.3
Lt. Spotted:														
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	13	313	661	177	149	221	801	835	53	-	-	-	3,223 *
32	132	2,042	22,229	77,251	88,224	83,159	52,757	101,321	77,467	10,682	3,291	15	-	10 518,580 5.0
42	293	3,205	26,789	147,129	324,525	422,644	216,955	333,081	220,171	31,804	4,770	125	55	37 1,731,583 6.6
52	56	610	5,388	35,138	110,248	199,978	127,327	94,747	52,440	10,093	4,665	10	16 636,513 6.1	
Spotted:														
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	86	245	1,824	4,542	7,851	6,078	3,094	4,235	4,235	3,949	832	66	-	- 447 * APR 32, 802
43	160	658	3,679	14,273	24,491	27,006	16,143	15,709	8,909	2,617	215	-	-	- 0.3 113,860 1.1
53	29	249	1,278	7,035	14,784	22,506	15,581	10,131	4,688	1,121	39	-	-	- 11 77,452 0.7
Tinged:														
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	10	66	234	274	232	85	111	107	11	-	-	-	-
44	13	107	548	1,180	1,389	1,052	334	444	412	128	-	-	-	-
54	10	86	293	565	1,218	879	665	458	255	63	-	-	-	-
Stained:														
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	13	-	-	41	-	-	-	-	-	-	-	-	-
Lt. Gray:														
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	10	66	137	15	139	111	517	474	58	-	-	-	- 1,179 *
46	-	-	-	-	61	201	517	1,453	6,352	3,391	400	-	-	- 11,621 0.1
Gray:														- 6,115 0.1
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	30	10	-	-	-	-	- 40 *
37	-	-	-	-	32	21	33	54	73	120	45	-	-	- 378 *
47	-	-	-	6	35	68	177	439	367	32	26	-	-	- 1,150 *
Below Grade	33	209	710	4,013	8,541	22,365	16,725	8,596	3,201	752	14	56	-	- 65,215 0.6
All grades	1,002	8,447	79,601	416,368	867,518	1,326,773	1,114,658	2,531,388	3,108,963	946,615	55,702	1,711	227	166 10,459,139 2/ 100.0
Percent	*	0.1	0.8	4.0	8.3	12.7	10.7	24.2	29.6	9.1	0.5	*	*	100.0

<sup>1/</sup> Preliminary.<sup>2/</sup> As reported by the Bureau of the Census.

\* Less than 0.05 percent.

Average staple ..... 33.7  
 Percentage of rough preparation ..... 0.1  
 Percent tenderable ..... 54.5

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PROCUREMENT SECTION  
 CURRENT SERIAL RECORDS

6 '79

1,130

5,607

4,492